

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

(See other in-
structions on
reverse side)Form approved,
Budget Bureau No. 42-R355.5

5. LEASE DESIGNATION AND SERIAL NO.

NM-011583

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Otero Federal

9. WELL NO.

#5

10. FIELD AND POOL, OR WILDCAT

Basin Dakota

11. SEC., T., R., M., OR BLOCK AND SURVEY
OR AREA

Sec. 23, T24N, R6W

12. COUNTY OR
PARISH

Rio Arriba

13. STATE

New Mexico

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ Other _____b. TYPE OF COMPLETION:
NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other _____

2. NAME OF OPERATOR

MESA PETROLEUM CO.

3. ADDRESS OF OPERATOR

P. O. BOX 2009 AMARILLO, TEXAS 79105

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*

At surface

1090' FNL & 790' FWL Sec. 23, T24N, R6W

At top prod. interval reported below

At total depth

14. PERMIT NO.

DATE ISSUED

10/19/77

15. DATE SPUDDED

10/15/77

16. DATE T.D. REACHED

10/27/77

17. DATE COMPL. (Ready to prod.)

12/15/77

18. ELEVATIONS (DF, REB, RT, GR, ETC.)*

6531' KB

19. ELEV. CASINGHEAD

6518'

20. TOTAL DEPTH, MD & TVD

6731'

21. PLUG, BACK T.D., MD & TVD

6703'

22. IF MULTIPLE COMPL.,
HOW MANY*23. INTERVALS
DRILLED BY

ROTARY TOOLS

CABLE TOOLS

X

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*

6450'-6675' Overall

25. WAS DIRECTIONAL
SURVEY MADE

No

26. TYPE ELECTRIC AND OTHER LOGS RUN

GR-Collar-CBL

27. WAS WELL CORED

No

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
10 3/4"	32.75#	305'		300 sxs "B"	0
4 1/2"	10.5#	6731'		485 sxs 50-50 Pozmix	0

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2 3/8"	6675'	6537'

31. PERFORATION RECORD (Interval, size and number)

6602'-06' w/1HPF
6668'-75' w/1HPF
6450'-60' w/1HPF
6480'-6504' w/1HPF 6514'-18' w/1HPF

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
6602'-6675'	1200 gal. 15% HCL
6450'-6518'	1800 gal. 15% HCL
6450' - 6675'	111,000 Gal Gel KCL Wtr & 120,000# 20-40 sd w/4500 gal

33.* PRODUCTION flush.

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)					WELL STATUS (Producing or shut-in)	
		Flowing					SI	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO	
1/10/78	3	3/4"	→	0	360	0	- -	
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)		
230	810	→	0	2883	0	- - -		

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

Vented

35. LIST OF ATTACHMENTS

Open Flow Test, DIL, FDC (2 cc of each)

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

S. E. Dobler

TITLE Supervisor, Drilling & Prod. DATE 1/30/1983

*(See Instructions and Spaces for Additional Data on Reverse Side)

USGS Durango (4) Mesa Dvr. Office (1) D & M, M & M, NM Resources Board
J. Archer (1) Les Carnes

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions. If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES:

SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF: CORED INTERVALS, AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	38. GEOLOGIC MARKERS	
				NAME	MEAS. DEPTH TRUE VERT. DEPTH
Gallup			DST 5507' - 5593' IF = 15 min. FF = 60 min.	Pictured Cliffs	2054'
				Lewis	2122'
				Cliff House	3560'
				Point Lookout	4458'
				Mancos	4590'
				Gallup	5320'
				Green Horn	6244'
				Graneros	6306'
				Dakota	6449'
				Morrison	6685'
Dakota	6449'	6684'	Gas Rec'd 250' Mud		